IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

I hereby certify that this transmittal of the below described documents is being deposited with the United States Postal Service in an envelope bearing Express Mail Postage and an Express Mail label, with the below serial number, addressed to the Commissioner of Patents and Trademarks, Washington, D.C., 20231, on the below date of deposit.			
Express Mail Label No.:	EL864469544US	Name of Person Making the Deposit:	Anthony Chou
Date of Deposit:	09/17/01	Signature of the Person Making the Deposit:	*Anthony Chou*

Inventor(s):   Ebrahim Hashemi

Title: METHOD AND SYSTEM FOR LEVERAGING SPARES IN A DATA STORAGE
SYSTEM INCLUDING A PLURALITY OF DISK DRIVES

The Commissioner of Patents and Trademarks
Washington, D.C. 20231
Sir:

Transmittal of a Patent Application
(Under 37 CFR §1.53)

Transmitted herewith is the above identified patent application, including:

__X__ Specification, claims and abstract, totaling __44__ pages.
_____ Formal drawings, totaling _____ pages.
__X__ Informal drawings, totaling __10__ pages.
__X__ Declaration and Power of Attorney.
_____ Information Disclosure statement.
_____ Form 1449
__X√__ Assignment(s)
__X__ Assignment Recordation Form (duplicate)
_____ Preliminary Amendment
_____ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i)
_____ Other: ....

FEES DUE

The fees due for filing the specification pursuant to 37 C.F.R. § 1.16 and for recording of the Assignment, if any, are determined as follows:

CLAIMS					
	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEES
Basic Application Fee					$710.00
Total Claims	21	Minus 20=	1	X $18 =	$18.00
Independent Claims	3	Minus 3=	0	X $80=	$0.00
If multiple dependent claims are presented, add $260.00					$0.00
Add Assignment Recording Fee of $40.00 If Assignment document is enclosed					$40.00
TOTAL APPLICATION FEE DUE					$768.00

rev. 11/98 wmh

PAYMENT OF FEES

The full fee due in connection with this communication is provided as follows:

1. Not enclosed

    [ ]   No filing fee is to be paid at this time.

2. Enclosed

    [X]   Filing fee

    [X]   Recording assignment

    [ ]   Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached

    [ ]   For processing an application with specification in a non-English language

    [ ]   Processing and retention fee

    [ ]   Fee for international-type search report

    [X]   The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085. A duplicate copy of this authorization is enclosed.

    [X]   A check in the amount of $768.00

    [ ]   Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

    This application is filed pursuant to 37 C.F.R. § 1.53 in the name of the above-identified Inventor(s).
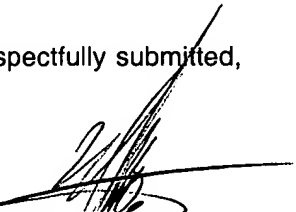
    Please direct all correspondence concerning the above-identified application to the following address:

    WAGNER, MURABITO & HAO LLP
    Two North Market Street, Third Floor
    San Jose, California 95113
    (408) 938-9060

    [X]   This transmittal ends with this page.

    Respectfully submitted,

Date: 17 September 2001

By: _____
Lin C. Hsu
Reg. No. 46,315

rev. 11/98 wmh

09-19-01

Express Mail Mailing Label **EL825370499US**

UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	CCI-004
First Named Inventor	Fitzgerald
Title	Method and System to Detect Software Faults

PTO 09/954711 J1046 U.S. PTO 09/18/01

APPLICATION ELEMENTS

ADDRESS TO: Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

ACCOMPANYING APPLICATION PARTS

1. ☒ Fee Transmittal Form

2. ☒ Small Entity Status
   ☒ Applicant claims small entity status
   ☐ Status established in prior application and is still proper and desired

3. ☒ Specification and Drawings [Total Pages 21]
   - Written Description - (10 pages)
   - Claims - (3 pages)
   - Abstract - (1 page)
   - Sheets of Drawings - (7 sheets)
   ☐ Formal
   ☒ Informal

4. ☒ Oath or Declaration [Total Pages 3]
   a. ☒ Newly executed (original)
   b. ☐ Copy from a prior application (37 CFR 1.63(d))
   (for continuation/divisional with Box 17 completed)
   [Note Box 5 below]

5. ☐ Incorporation by Reference (usable if Box 4b is checked) The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☒ Application Data Sheet

7. ☐ Nucleotide and/or Amino Acid Sequence Submission
   ☐ Computer Readable Copy
   ☐ Paper Copy (identical to computer copy)
   ☐ CD (identical to computer copy)
   ☐ Statement verifying identity of above copies

8. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
   ☐ Power of Attorney

9. ☐ English Translation Document *(if applicable)*

10. ☐ Information Disclosure Statement (IDS)/PTO-1449
    ☐ Copies of IDS Citations

11. ☐ Preliminary Amendment
    ☐ Drawings [Total Sheets]
    ☐ Letter to Official Draftsperson Including Drawings [Total Pages]

12. ☒ Return Receipt Postcard

13. ☐ Certified Copy of Priority Document(s)

14. ☐ Deletion of Inventor(s)
    Signed statement attached deleting inventor(s) named in the prior application.

15. ☐ CD in duplicate for large table or computer program.

16. ☐ Other:

17. ☐ If a CONTINUING APPLICATION, amend the specification by inserting on page 1, before the first line, the sentence:
--This is a
☐ continuation ☐ divisional ☐ continuation-in-part of prior application Serial No. / , filed on , , the entire disclosure of which is incorporated by reference herein.--
Priority to the above application(s) is claimed under 35 U.S.C. 120.
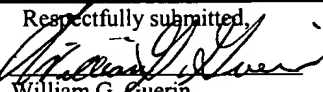Prior application information: Examiner: _____ . Group/Art Unit: _____ .

18. ☐ Priority - 35 U.S.C. 119
☐ Priority of application Serial No. ___ filed on ___, in the United States is claimed under 35 U.S.C. 119.
☐ The certified copy has been filed in prior U.S. application Serial No. _____/_____ on _____.
☐ The certified copy will follow.

CORRESPONDENCE ADDRESS	SIGNATURE BLOCK
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100	Respectfully submitted, Date: September 18, 2001 Reg. No. 41,047 Tel. No.: (617) 248-7074 Fax No.: (617) 248-7100 William G. Guerin Attorney for Applicant(s) Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110

2174892

FEE TRANSMITTAL FY 2001	*Complete if Known*
	Application Serial Number — Not Yet Assigned
	Filing Date — Herewith
	First Named Inventor — Fitzgerald
	Group Art Unit — Not Yet Assigned
	Examiner Name — Not Yet Assigned
	Attorney Docket No. — CCI-004

METHOD OF PAYMENT

1. ☒ Payment Enclosed:
   ☒ Check ☐ Money Order ☐ Other

2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
   ☐ Required Fees (copy of this sheet enclosed).
   ☒ Additional fee required under 37 CFR 1.16 and 1.17.
   ☒ Overpayment Credit.

3. ☐ Applicant claims small entity status.

FEE CALCULATION

1. FILING FEE

Large Entity

Fee ($)	Fee Description	Fee Paid
710	Utility filing fee	710
320	Design filing fee	
150	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
Total Claims	22	- 20 = 2	x $ 18.00 =	36.00
Independent Claims	3	- 3 = 0	x $ 80.00 =	0
☐ Multiple Dependent Claim(s), if any			$270.00 =	0

TOTAL:	746.00
SMALL ENTITY DISCOUNT:	373.00
SUBTOTAL (1) ($)	373.00

2. AMENDMENT CLAIM FEES

	Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=		x $ 18.00 =	
Indep.	-	=		x $ 80.00 =	
☐ First Presentation of Multiple Dep. Claim				+ $270.00 =	

TOTAL:	($)0
SMALL ENTITY DISCOUNT:	($) 0
SUBTOTAL (2)	($)0

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee ($)	Small Entity Fee ($)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	For filing a request for reexamination	
110	55	Extension for reply within first month	
390	195	Extension for reply within second month	
890	445	Extension for reply within third month	
1,390	695	Extension for reply within fourth month	
1,890	945	Extension for reply within fifth month	
310	155	Notice of Appeal	
310	155	Filing a brief in support of an appeal	
270	135	Request for oral hearing	
130	130	Petitions to the Commissioner	
50	50	Petitions related to provisional applications	
180	180	Submission of Information Disclosure Statement	
710	355	Filing a submission after final rejection (37 CFR 1.129(a))	
710	355	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (Specify) _____

Other fee (Specify) _____

SUBTOTAL (3) ($)	0

SUBTOTAL (1)	373.00
SUBTOTAL (2)	0
SUBTOTAL (3)	0
TOTAL ($)	373.00

CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower-125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

(signature) William G. Guerin

Date: September 18, 2001
Reg. No.: 41,047
Tel. No.: (617) 248-7074
Fax No.: (617) 248-7100

William G. Guerin
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